

IRWM Support in Future 2020 Resources Bonds

Mark Norton, Water Resources & Planning
Manager

OWOW Steering Committee | January 23, 2020

Item No. 4.A.



OWOW and SAWPA Goals and Objectives

OWOW Plan Update 2018 Goals are as follows:

- Achieve resilient water resources ...
- Ensure high-quality water for all people and the environment.
- Preserve and enhance recreational areas, open space, habitat, and natural hydrologic function.
- Engage with members of disadvantaged communities and associated supporting organizations ...
- Educate and build trust between people and organizations.
- Improve data integration, tracking, and reporting...

SAWPA's OWOW Purpose and Objectives:

- 4. Maximize funding opportunities and policy influence by uniting efforts watershed wide.

SAWPA's approach—coordination, cooperation, and integration of water agencies to pool resources and manage water at the basin scale—is one of California's best models for integrated water management.

—Public Policy Institute of California
2011, "Managing California's Water – From Conflict to Reconciliation"

ACWA Support of Integrated Regional Water Management Principles

1. ACWA supports IRWM as a tool to assist local water agencies in solving short- and long-term water management challenges through an integrated planning approach.
5. ACWA supports the continued use of IRWM governance structures, known as Regional Water Management Groups (RWMGs), to build on the well-established, inclusive stakeholder outreach and facilitation efforts through IRWM.



Governor's Executive Order to Create Water Resilience Portfolio

Seven Stated Foundational Principles

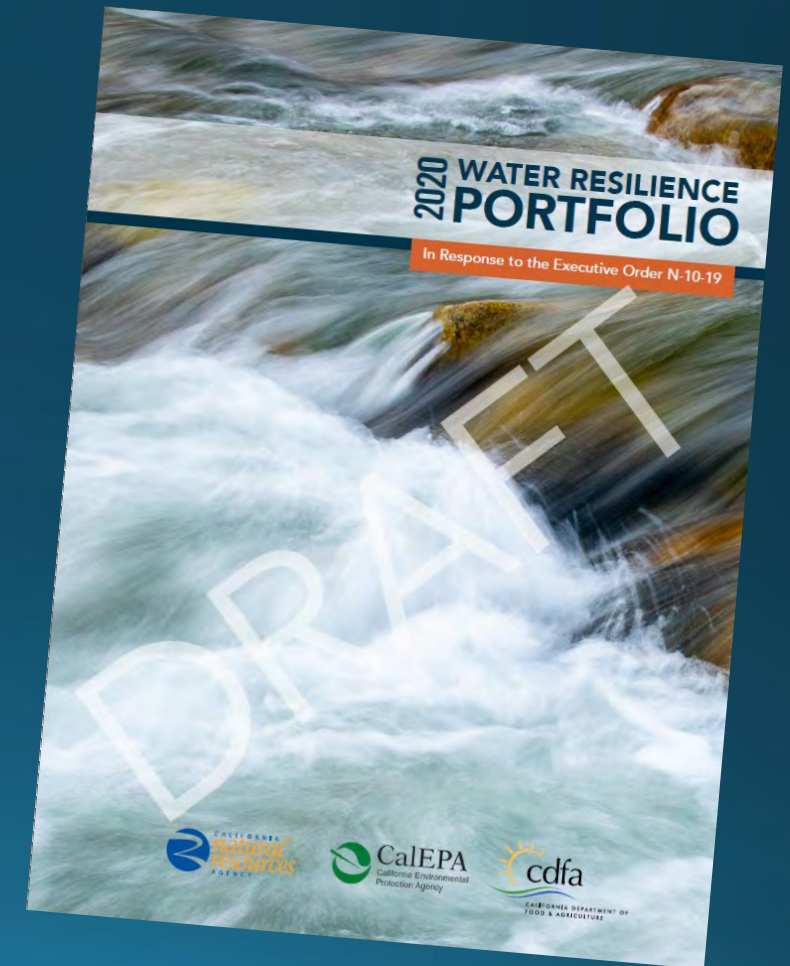
- Prioritize **multi-benefit approaches** that meet several needs at once;
- Utilize natural infrastructure such as forests and floodplains;
- Embrace innovation and new technologies;
- Encourage **regional approaches** among water users **sharing watersheds**;
- Incorporate successful approaches from other parts of the world;
- **Integrate** investments, policies, and programs across state government; and
- **Strengthen partnerships** with local, federal and tribal governments, water agencies and irrigation districts, and other stakeholders.



Draft 2020 Water Resilience Portfolio

Only three out of **100 + specific actions** mention IRWM as follows:

- *20.1 Build on the Integrated Regional Water Management Program and other regional efforts to align climate scenarios and expand watershed-scale coordination and investments that contribute to water resilience.*
- *20.2 Structure funding sources to reduce the hurdles for water projects that reflect integrated solutions, produce multiple benefits, and improve watershed function.*
- *20.3 Support the capacity, participation, and full integration of tribal governments and underrepresented communities in regional planning processes*



Draft Water Resilience Portfolio Approach

- *"Includes 100 + separate detailed actions to ensure California water systems work for our communities, our economy, and our environment."*
- *"No quick or singular fix will safeguard our communities in coming decades and preserve access to water for all Californians. Rather, **advanced planning**, thoughtful **investments**, **integrated management**, and unprecedented **collaboration** will prepare us for the future."*



Concerns with Portfolio Approach

- Though the list of detailed actions with specific responsible state agencies is thorough, it appears to sidestep how the actions would be addressed through regional partnerships.
- Many listed action items appear to be single purpose, siloed actions reflecting a move away from vision of IRWM and tenets of “integration”, “collaboration” and “multi-benefit” solutions at “regional scale”.
- Insufficient merit of the IRWM approach as an effective measure to address partnership implementation at the regional scale.



Pillars of the OWOW Plan reflect water resource strategies that integrate into multi-benefit solutions



Broad Planning/Management Guidance Strategies

Demand Reduction and Water Use Efficiency



Watershed Hydrology and Ecosystem Protection and Restoration



Operational Efficiency and Transfers



Remediation and Clean up



Innovative Supply Alternatives



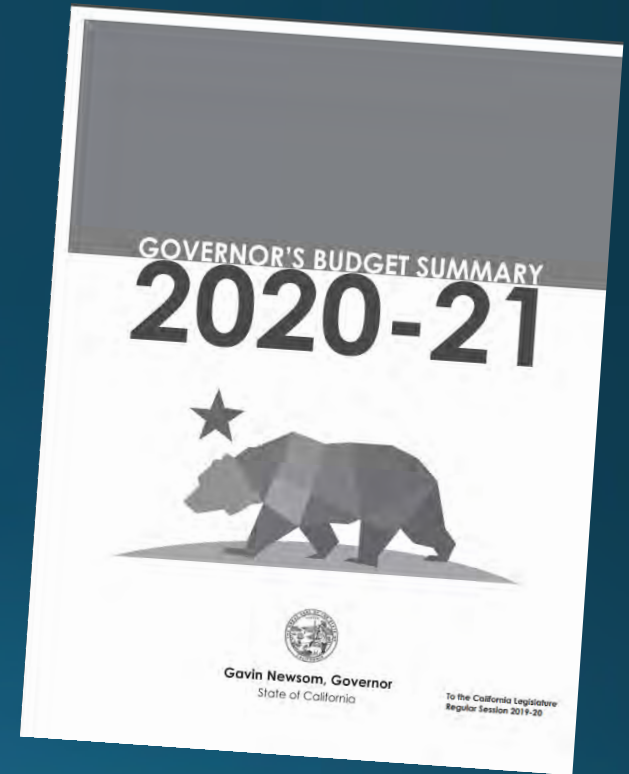
Four Resources Bonds under development now

- SB 45 (Allen -- Los Angeles) \$4.1 B has been in print since January.
- AB 352 (E. Garcia -- Coachella) \$3.9 B
“Wildfire Prevention, Safe Drinking Water, Drought Preparation, and Flood Protection Bond Act of 2020.”
- AB 1298 (Mullin – San Francisco) No amounts specified yet. “Climate Resiliency, Fire Risk Reduction, Recycling, Groundwater and Drinking Water Supply, Clean Beaches, and Jobs Infrastructure Bond Act of 2020.
- Joseph Caves Initiative (signature petition) \$7.8 B.



Governor's Budget – New Climate Resilience Bond

- Jan. 3rd Governor's Budget Summary FY 2020/21 released
- Proposes including a \$4.75 billion Climate Resilience Bond
 - \$2.925 billion or 62% of bond funding would be directed to Drinking Water, Flood and Drought.
 - Within the \$2.925 billion, \$1 billion is proposed for Regional and Inter-regional Water Resilience
 - This could include but not limited to IRWM projects.



SAWPA Member Agency GMs Feedback

- GMs are supportive of IRWM funding and inclusion in any future Climate Resilience or Resources Bond
- GMs felt SAWPA should also advocate for funding support for individual water sectors as part of the overall water funding support. This would include such individual categories as water quality improvement, water recycling, desalting, stormwater management, etc.
- Letter now reflects this additional request.



Recommendation:

Authorize staff to send the Integrated Regional Water Management (IRWM) 2020 Resources Bond Support Letter to pertinent legislators to indicate funding support for IRWM and other water needs in all future 2020 resources bonds.

Disadvantaged Communities Involvement Program

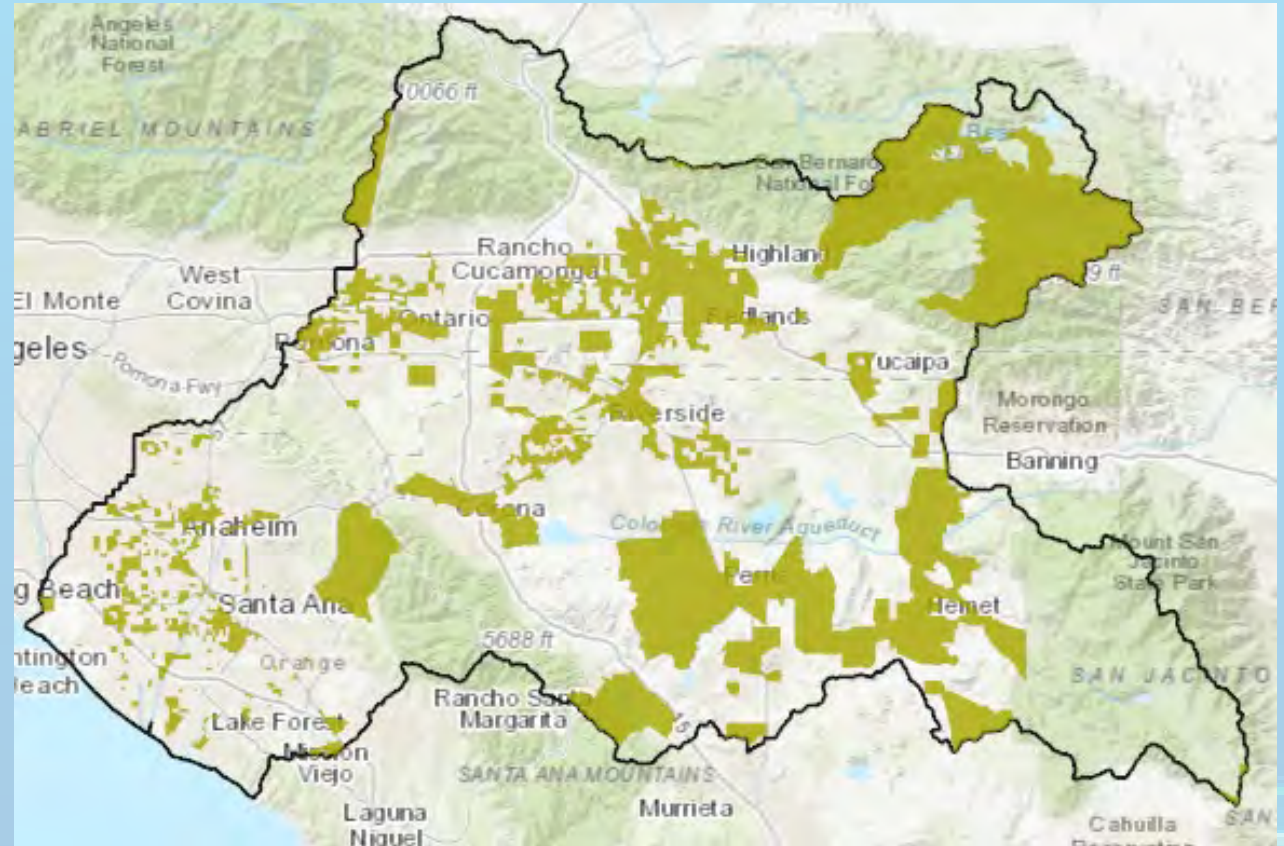
Status Report

**Rick Whetsel, Senior Watershed Manager
OWOW Steering Committee | January 23, 2020
Item No. 4.B.**



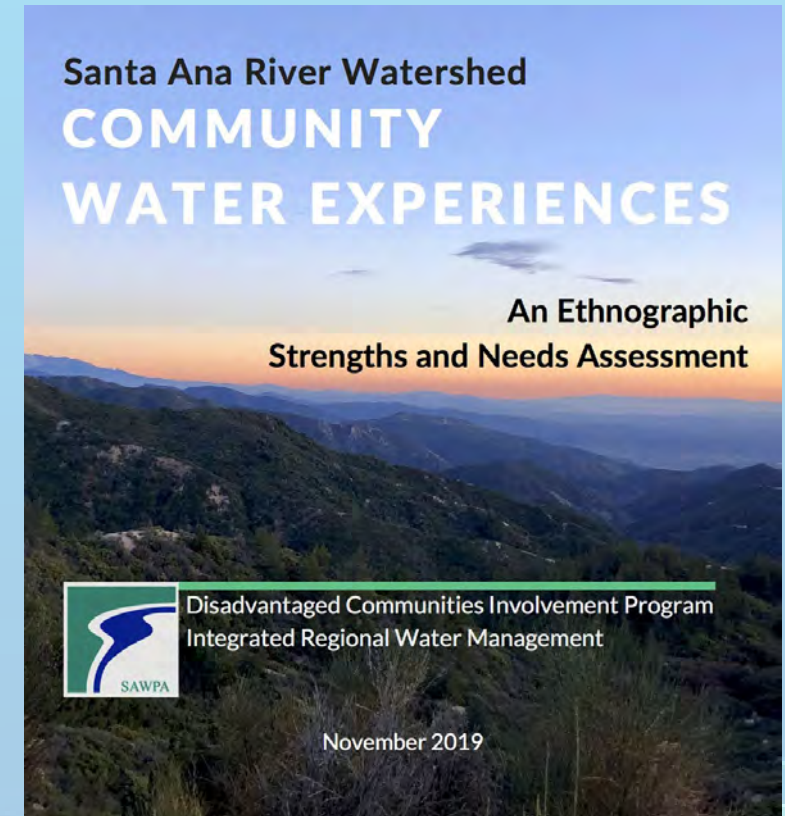
DCI Program Elements

1. Strengths and Needs Assessment
2. Education and Engagement
3. Project Development
4. Administration



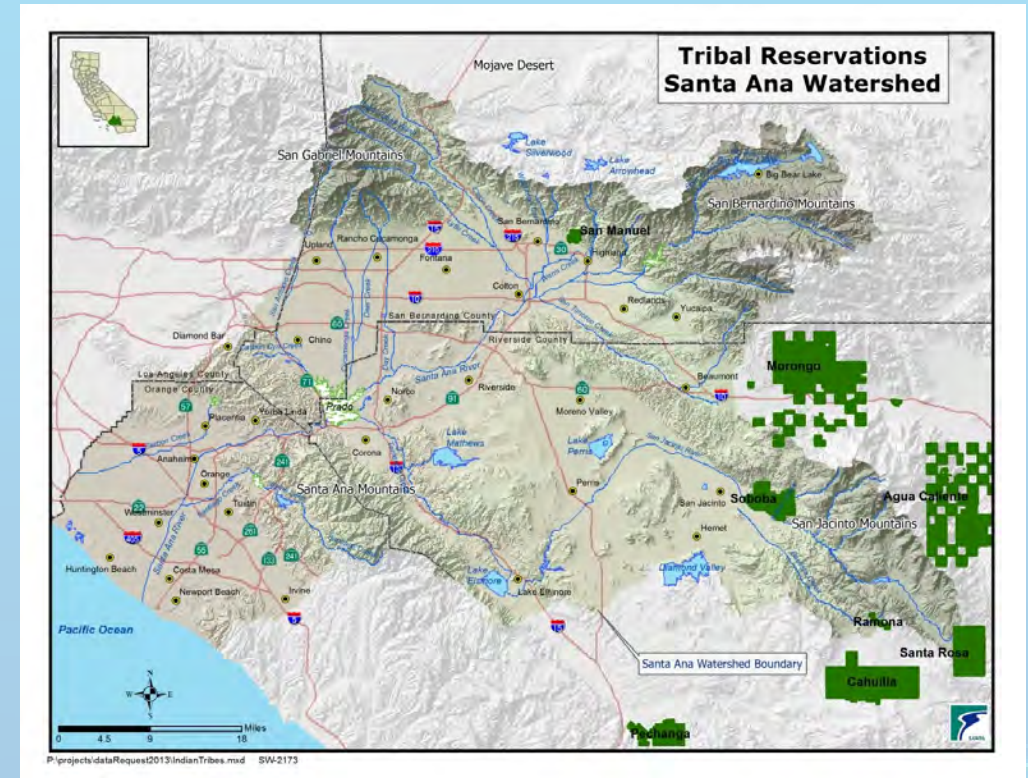
Activity 7: Community Water Ethnography

- Objective: Strengths and needs assessment designed by SAWPA and its partner agencies to take the next step in integrated and inclusive watershed planning.
- Lead Author: Valerie Olson, Ph.D.
Department of Anthropology
University of California, Irvine
- Current Status: COMPLETE
- Link: <https://sawpa.org/owow/dci-program/strengths-and-needs/>



Activity 9: Tribal Consultation

- Objective: Establish a Tribal Advisory Committee (Tribal AC) with California Native American Indian Tribes and agency staff to provide opportunities for collaboration.
- Activity Lead: CA Rural Water Assoc. (CRWA)
- Current Status: Developing Charter
- Activity Budget \$120 K



Activity 11: Translation Services

- Objective: Translation services for documents and meetings are available.
- Foreign languages include, but are not limited to, Spanish, Vietnamese, Korean, Chinese, and Tagalog.
- American Sign Language interpretation available for simultaneous translation.
- Completed: 27 support efforts totaling \$55 K
- Activity Budget \$150 K



Activity 15: Water Agency Community Engagement Training

- Partners LGC and CRWA to provide trainings and workshops for water agencies
- Up to 10 trainings directed at agency staff for small Community Water Systems and Mutual Water Companies
- Three workshops to inform and educate water agencies staff in the watershed on the SAWPA Disadvantaged Community Involvement program.
- Current Status: To kick off in Feb. 2020
- Activity Budget \$150 K



Activity 16: Local Elected Leader Training

- Objective: Provide trainings for local elected leaders and their staff in the watershed. These training sessions will relay the findings of the Strengths & Needs Assessment program element, basic information on water management topics, and best practices for helping the communities they serve interact with water planning.
- Activity Lead: LGC
- Current Status: Round 2 to be completed by 1/22/20.



Activity 18: Technical Assistance for Community Need

- Objective: Technical Assistance (TA) funding to support the development of projects and programs that address the water needs of disadvantaged and underrepresented communities.
- Requires evaluation of projects, plans, and programs following set of evaluation criteria developed by DCI Technical Advisory Committee (TAC)
- Current Status: First five projects of 18 commenced in 2019
- Allocated Funding \$2.9 M



DCI Program Technical Assistance Funding

TA Award	Project Sponsor:	Project Title:
\$25,630	CRWA / CSU WRPI	Median Household Income Surveys
\$74,441	SAWPA	Assessing the Water Quality, Riparian, and Aquatic Habitat Impacts of Homelessness in the Upper Santa Ana River Watershed
\$350,000	Soboba Band of Luiseno Indians	Residential Asbestos Cement Pipe Abandonment and Replacement Project
\$500,000	Big Bear Area Regional Wastewater Agency	Replenish Big Bear
\$121,939	California Rural Water Association	Tribal Advisory Committee (Tribal AC)
\$175,000	Box Springs MWC	Rehabilitation, Removal or Replacement of Water Storage Reservoirs with SCADA
\$200,000	City of Colton	Two New Potable Wells with Generators
\$100,000	Devore WC	New Reservoir, Distribution System Upgrades and New Well
\$150,000	Idyllwild WD	Water Treatment Plant Upgrade with SCADA
\$100,000	Marygold MWC	New Well and Generator Project
\$25,000	Riverside Highland WC	Ion Exchange System
\$250,000	Terrace MWC	New Potable Well
\$200,000	Eastern Municipal WD	Quail Valley Sub-Area 4 Septic to Sewer, Phase 1 Planning Analysis
\$277,990	City of Rialto	Bohnert/Banyon Septic to Sewer Project
\$100,000	Orange County WD	Watershed Education and Field Trip Program for Disadvantaged Community Elementary School Students
\$100,000	City of Fullerton	Fullerton's Water Future - Ensuring Delivery of Clean, Safe Drinking Water
\$50,000	Huerta del Valle	Reconnecting and Enhancing Water Resources for greater community and environmental benefit.
\$100,000	City of Santa Ana	Washington Avenue Well Project
\$2,900,000	Total Technical Assistance funding Awarded	

Questions



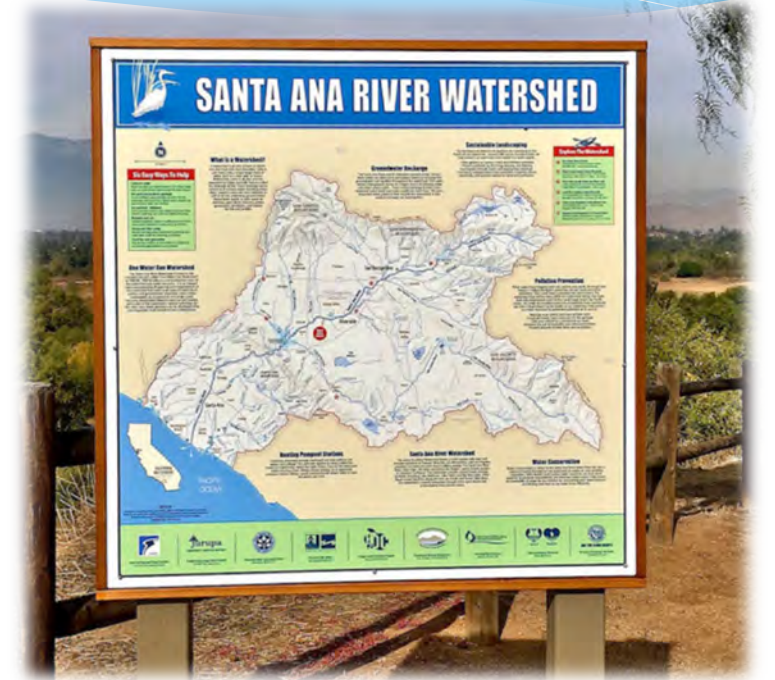
Watershed Signage Update | Bri Communications

Ian Achimore, Senior Watershed Manager
OWOW Steering Committee | January 23, 2020
Item No. 4.C.



Sign Design

- * 4 square feet
- * Freeways, cities, water resources
- * SAWPA logo; OWOW URL
- * About OWOW Paragraph



SANTA ANA RIVER WATERSHED



What is a Watershed?

A watershed is an area of land on which rainfall or snowmelt collects and drains into a single larger body of water, such as a river, lake, or ocean. Watersheds come in all sizes and are separated by ridges and hills that are called the drainage divide. These drainage basins consist of all surface water including rivers, lakes, streams, reservoirs and wetlands as well as all the underlying ground-water. Watersheds supply us with water for drinking, agriculture, industry, power generation, recreation, and habitat for fish and wildlife. The Santa Ana River Watershed covers a 7,456 square-mile area and includes portions of Orange, Riverside, San Bernardino, and Los Angeles counties. It is home to more than 6 million people. The Santa Ana River flows more than 100 miles and drains the largest coastal stream system in Southern California.



Five Easy Ways To Help

- Conserve water** just what you need. Fix leaks & Aerobic toilets. Use low-flow shower heads. Use water-saving appliances. Use mulch to conserve water. Use drought-tolerant plants. Use xeriscaping. Use greywater for irrigation.
- Use and care products** carefully. Avoid pesticides and herbicides. Use them only when necessary. Use them only on the target area. Use them only on the target area.
- Get involved** - volunteer for clean-up events and help local water agencies. Join your local watershed group.
- Maintain your car** - leaks of oil, coolant, and brake fluid are a threat to our water quality. Get your car checked for leaks. Sweep your dog's poop. Wash your car. Wash your car. Wash your car.

One Water One Watershed

The Santa Ana River Watershed is home to the concept and plan called "One Water One Watershed" or OOW. OOW reflects a comprehensive view of the watershed and water resources. It is an integral view encompassing all agencies and organizations in the watershed that look at all types of water: local surface and groundwater, imported, storm water, non-hazardous components of a single water resource, intentionally linked to land use and habitat, and a part of the watershed's natural hydrology. By this view, new water solutions can be developed that are integrated, multi-beneficial and collaborative.

Endangered Species

Water provides a home to some 300 of all threatened and endangered species. Many species live in the watershed or rely on it as a source of water. Being aware of water conservation and wastewater pollution can protect habitat and help these endangered species survive. By protecting our water, we can help these endangered species be able to survive for future generations to see.

Groundwater Recharge

The Santa Ana River and its tributaries provide winter stream flows which are diverted to percolation basins to recharge the groundwater and aquifers throughout the watershed. This water, stored underground, serves as a major source of drinking water and other urban needs. These critical recharge facilities have improved water levels and water quality by more than 100 years. Imported water, piped in from outside the watershed, is also used to recharge our local aquifers.

Protect Yourself from Mosquitoes

Mosquitoes are especially active in summer months. Larvae develop in standing and slow-moving water. It takes as little as five days for eggs to develop into biting adults. Wear light-colored long-sleeved shirts/pants, avoid areas with heavy vegetation and remove the peak-biting times are dusk and dawn. Repellents with DEET, Picaridin, Citri-Scents, Citri-Scents, and IR3535 are proven to be most effective against mosquitoes.

Explore The Watershed

- Adventure Community Center** (Lake Arrowhead) - 9500 Arrowhead Blvd., Arrowhead, CA 92618-1000
- Land Use Learning Center** (Lake Arrowhead) - 9500 Arrowhead Blvd., Arrowhead, CA 92618-1000
- University of California, Riverside** - 900 University Ave., Riverside, CA 92521-0001
- Orange County Parks & Recreation** - 1000 N. Tustin Ave., Orange, CA 92667-1000
- San Bernardino County Parks & Recreation** - 1000 N. Tustin Ave., Orange, CA 92667-1000
- Yuma South Water Landmarks** - 1000 N. Tustin Ave., Orange, CA 92667-1000
- Orange County Sanitation District** - 1000 N. Tustin Ave., Orange, CA 92667-1000

Pollution Prevention

When water from air pollution and rain washes over yards, driveways and streets, it collects herbicides, pesticides, oil, pet wastes and other pollutants. This water, called runoff, flows untreated into storm drains and ultimately the Pacific Ocean. Wasteway flows all the way within the Santa Ana Watershed range, and the pollutants from runoff combine to make a toxic mixture that can be harmful to human health and wildlife. Although it may seem small, the pollution from individual occurrences can have a larger impact on the health of our watershed. Help protect our water resources by preventing pollution at its source:

- Properly dispose of trash, tires and recyclables.
- Scrape pet waste, bag it, and put it in the garbage.
- Follow package instructions for pesticides and herbicides to avoid misuse.
- Take your vehicle to a commercial car wash.
- Maintain your vehicle and have oil leaks fixed.

FOR REVIEW ONLY
please do not reproduce

Water Conservation

Water conservation is critical to the Santa Ana River. Water from the tap is used and used through the watershed to supply an ever-growing population. With limited local surface water resources, we must work together to practice responsibility and eliminate water waste. Help ensure the availability of water for our children by conserving your water. Stopgap and finding new ways to use water more efficiently.

Wastewater Management

Power systems that collect and treat wastewater are essential to the health of our watershed. These systems protect public health, the environment, and wildlife from in-creased risks. More and more wastewater is now being recycled and turned into a valuable water resource.

- Don't flush ground medications - including your water.
- Avoid over-fertilizers - keep fertilizers and pesticides out of the kitchen sink.
- "Flushable wipes" don't break down like toilet paper - only jobs, poop and paper down the toilet.

Where Our Water Comes From

Southern California's arid climate means that its water from hundreds of miles away. About 25 percent of the region's water comes via the 34.5-mile Colorado River Aqueduct which travels from Lake Havasu on the California-Arizona border, to Lake Mathews near Riverside. Water supplies from Northern California are shown from the crossroads of the Sacramento and San Joaquin basins and transported south through the 450-mile California Aqueduct. Local water agencies supplement imported supplies by supporting local resource development with programs like conservation, water recycling and ground water recovery, which make up about 40 percent of the Southern's supply.

Sustainable Landscaping

The decisions we make in our gardens can contribute to the health of our watershed. A more water-wise yard can help protect our watersheds and sustain our water supply.

- Allow gardens to capture, hold, and infiltrate rainwater.
- Prevent pollution by diverting, lowering, and filtering stormwater through mulch and appropriate plantings.
- Use locally adapted plants that need little irrigation, bloom beautifully, and provide habitat for birds and pollinators.

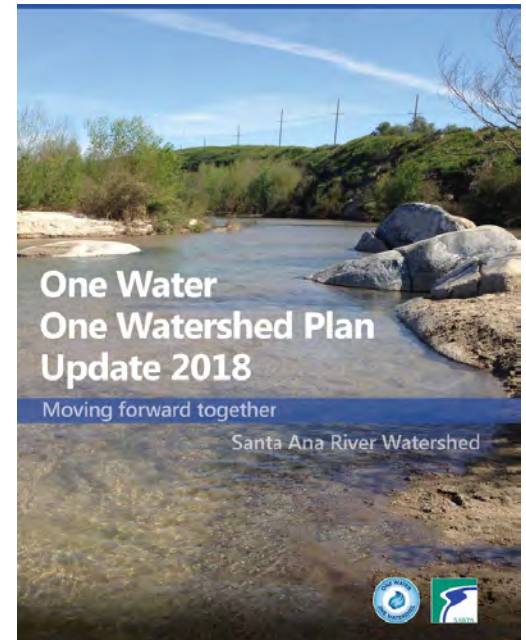
NOTICE:
This map is for informational purposes only. It is not intended to be used as a legal document. The map is not intended to be used as a legal document. The map is not intended to be used as a legal document.

Funding

- * Sponsorship @ \$5,200
- * Funded by SAWPA and other water agencies including:
 - * Orange County Stormwater Program
 - * Cities of Santa Ana and Riverside
 - * Jurupa Valley Community Services District
 - * Metropolitan Water District of Southern California

Benefits of Signage

- * Highlights OWOW Program and SAWPA across the watershed;
- * Shows various funding partners working together on a watershed-wide education program;
- * Educates watershed residents on where their water comes from and where it goes (during precipitation events); and
- * Implements OWOW Plan Update 2018 goal: “Educate and build trust between people and organizations.”





Acacia Park, Fullerton



Norco, Santa Ana River



Huntington Beach State Park



Santa Ana River, Eastvale

Questions

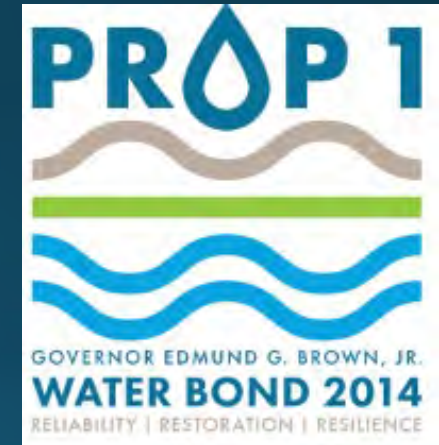
OWOW Proposition 1 Round 1 Integrated Regional Water Management Implementation Grant Update

Ian Achimore, Senior Watershed Manager
OWOW Steering Committee | January 23, 2020
Item No. 4.D.

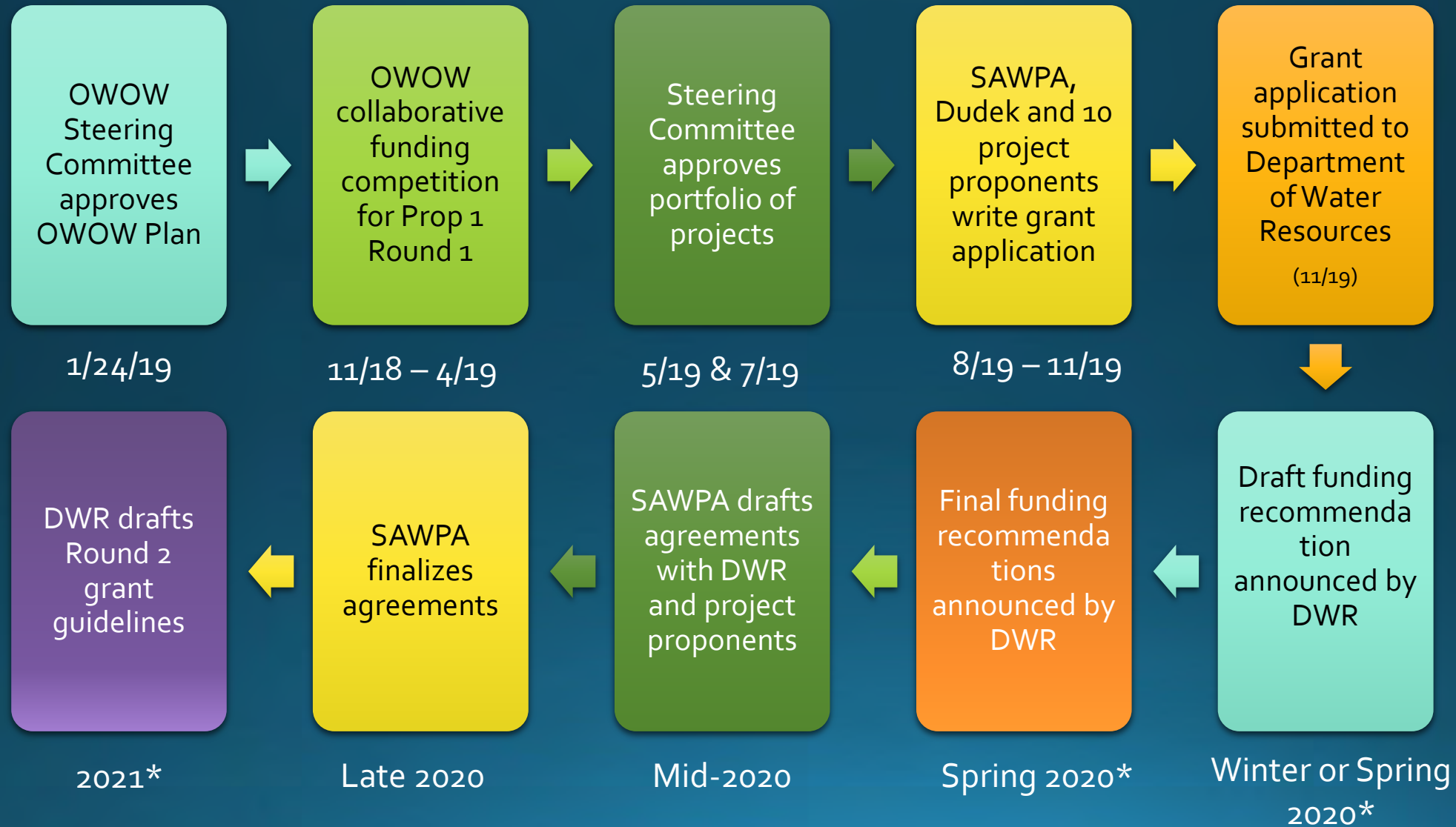


Prop 1 IRWM Requirements

- **All overall project proposals must:**
 - Respond to climate change, and
 - Contribute to regional water self-reliance.
- **All individual projects must:**
 - Address the most critical needs of the IRWM region,
 - Be consistent with Statewide Priorities,
 - Have an expected useful life, and
 - Have CEQA/permits acquired within 12 months of final grant award.



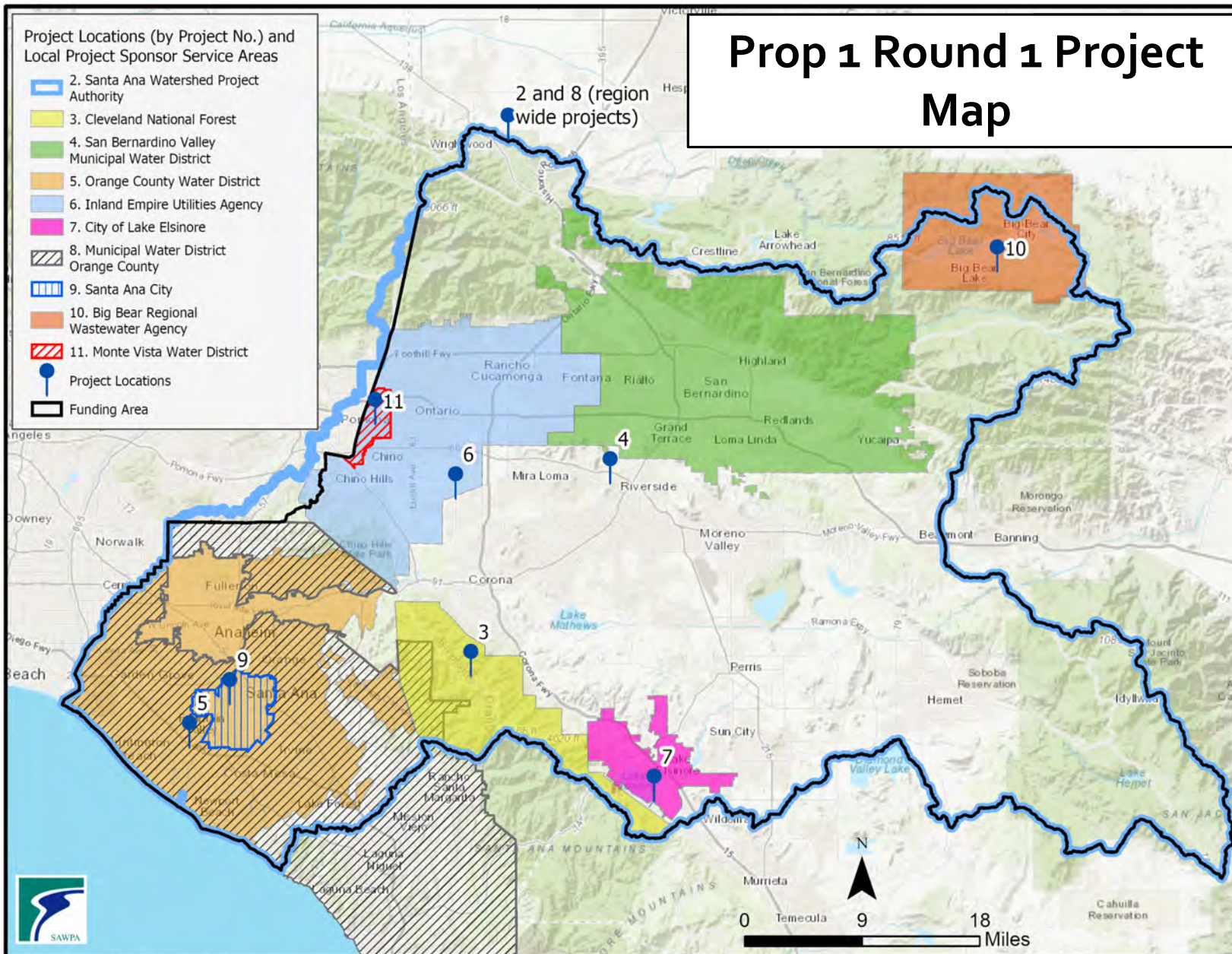
Proposition 1 IRWM Schedule



Prop 1 Round 1 Final Project List

IRWM Solicitation	Project	Project Lead	Grant Award
OWOW	Replenish Big Bear	Big Bear Area Regional Wastewater Agency	\$4,563,338
	Evans Lake Tributary Restoration and Camp Evans Recreation	San Bernardino Valley Municipal Water District	\$2,000,000
	Well 30 Wellhead Treatment Project	Monte Vista Water District	\$3,431,225
	Regional Comprehensive Landscape Rebate Program	Project Partners*	\$2,767,344
	Physical Harvesting of Algal Biomass in Lake Elsinore – Pilot Program	City of Lake Elsinore	\$297,000
	Santa Ana Mountains Watershed Protection Project	Cleveland National Forest	\$497,998
	Enhancements to Watershed-Wide Water Budget Decision Support Tool	Santa Ana Watershed Project Authority	\$500,000
	Joint IEUA-JCSD Regional Water Recycling Program	Inland Empire Utilities Agency	\$2,617,970
North OC	Groundwater Replenishment System Final Expansion	Orange County Water District	\$3,589,553
	Raitt & Myrtle Park	City of Santa Ana	\$1,670,000
N/A	Grant Management (5% of Total Grant Award)	Santa Ana Watershed Project Authority	\$1,157,000
Total			\$23,091,428

Prop 1 Round 1 Project Map



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Note: Project 1 is identified in the DWR application as grant management and is thus not shown on this project map.

Prop 1 Round 1 and 2 Funding

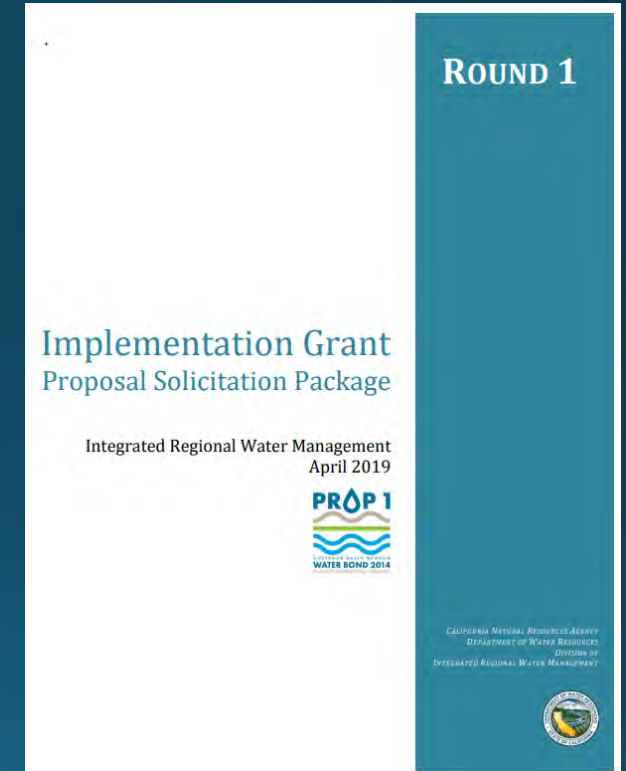
	Round 1 Implementation	Round 1 DAC Implementation	Total
Round 1	\$ 20,996,678	\$ 2,094,750	\$ 23,091,428
Round 2	\$ 22,853,322	\$ 4,205,250	\$ 27,058,572
Total	\$ 43,850,000	\$ 6,300,000	\$ 50,150,000



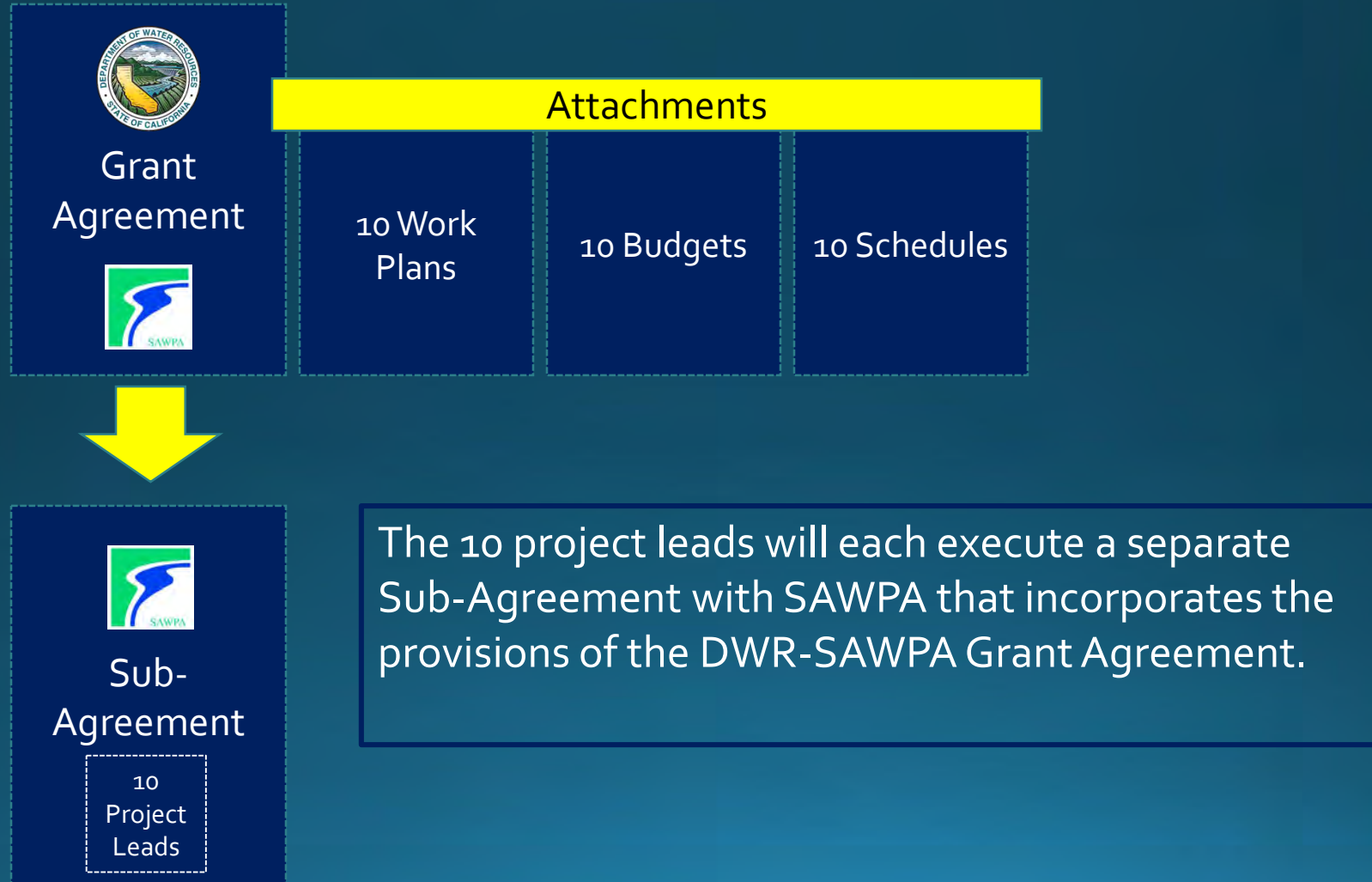
Round 2 grant guidelines likely be drafted by DWR by in 2021.

Next Steps

- DWR to make final award announcements later this year.
- SAWPA-DWR grant agreement and SAWPA sub-agreements with project proponents to be developed.



Agreements to Be Executed



Questions